Funktechnik Products of Germany   DK9SQ
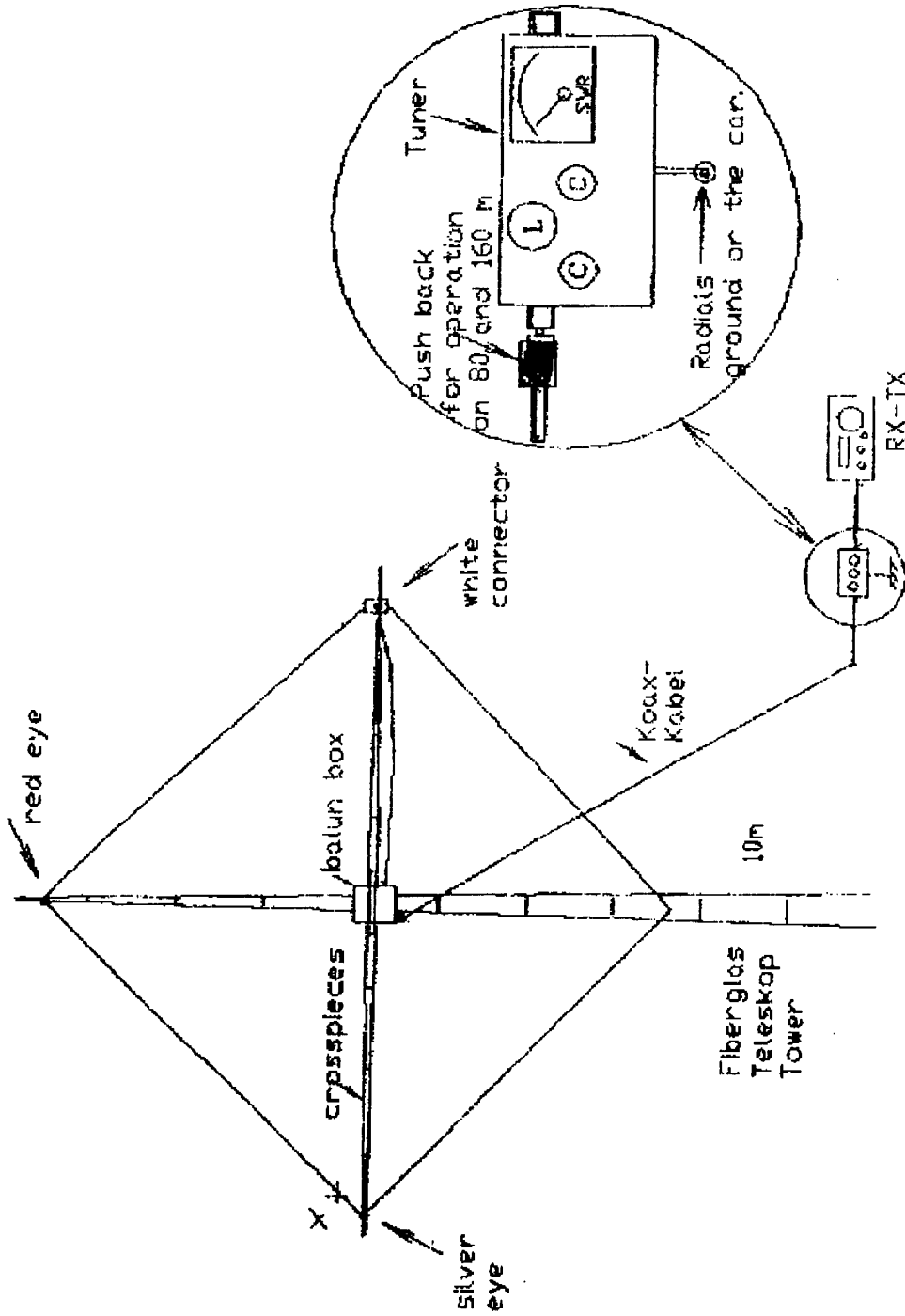# Walter Spieth DK9SQ

Super Quick Loop Portable Antenna
10-30 m (40m) Broad Band Vertical for 80 and 160 m

Assembly Instructions for Mast and Loop

1. Remove cap from end of mast.
2. Tilt mast downwards and let small top segment slide out.
3. Pull out top segment and twist firmly to secure in place.
4. Fasten the mast to a support (like a car mirror, post in the ground, tree, fence, etc).
5. Place the balun (gray box) over the top segment of the mast with the coax connector facing downward.
6. Take the loop wire and thread the red eye through the top segment and pull down.
7. Pull the segments out of the mast, twisting each segment in turn to secure in place until the balun box fits to the size of the mast.
8. Pull out the segments of the cross section in the same manner as the main mast giving each segment a twist to secure in place.
9. Fit one of the cross pieces through the terminal block and over the arm of the balun box.
10. Fit the second cross piece through the silver eye of the loop wire and fit over the other balun box arm.
11. Link the red connectors together.
12. Connect the coax cable.
13. Check that the wires are not twisted.
14. Pull out the remaining mast segments to the full size of the mast, twisting each segment to secure in place.

Tips

15. The coax cable should not touch the loop wire. Pull the coax away from the loop.
16. The loop looks and works better if you tie the lower apex of the wire to the mast.
17. Close the red jumper on 15 and 20 meters and open it on 10 and 40 meters.
18. When the wind turns the loop secure the end of a cross piece to the ground with a guy rope.
19. Every band from 10 to 40 requires a tuner.
20. On 80 and 160 meters the loop can serve as a vertical antenna. Do not use the shield of the coax cable (see diagram). Then the coax cable is the antenna and the loop is the capacity hat. Also - use a radial (several radials are better) or other ground.

Tuner

SWR

Push back for operation on 80 and 160 m

L

C

C

Radials ground or the car.

RX-TX

white connector

red eye

balun box

crosspieces

silver eye

X

Koax-Kabel

10m

Fiberglas Teleskop Tower

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